

Fig. 1 Transmitter

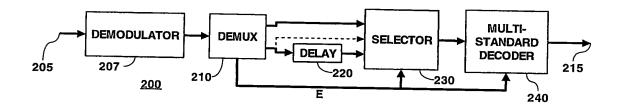


Fig. 2 Receiver

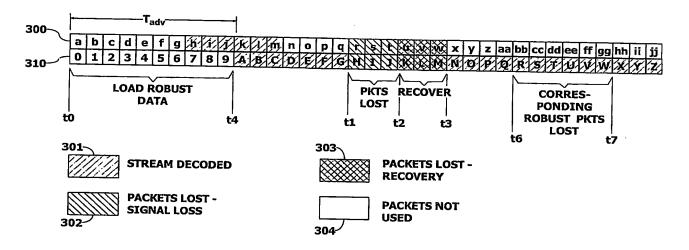


Fig. 3 Packet Streams

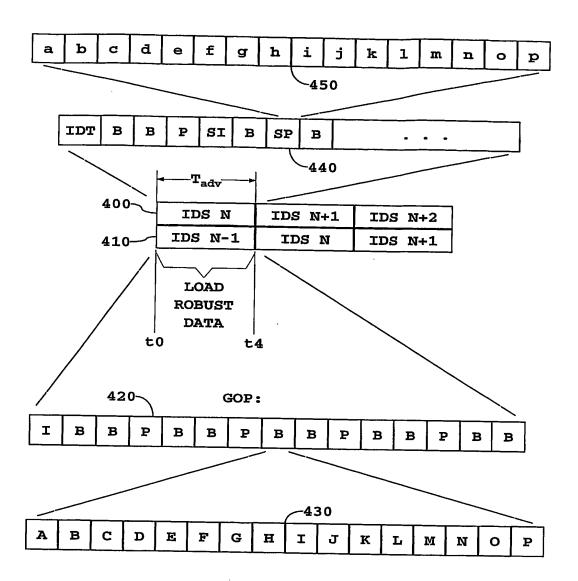
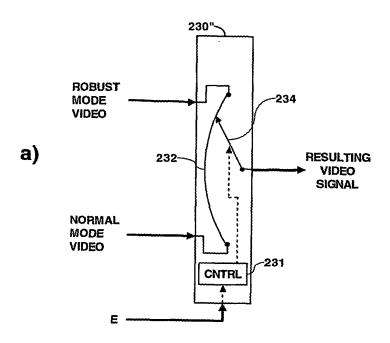


Fig. 4 GOP Streams



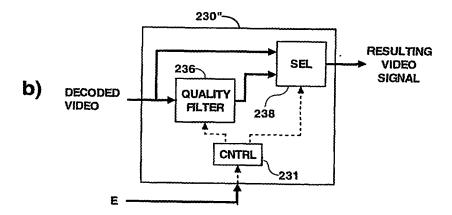


Fig. 5 Smoothing selector

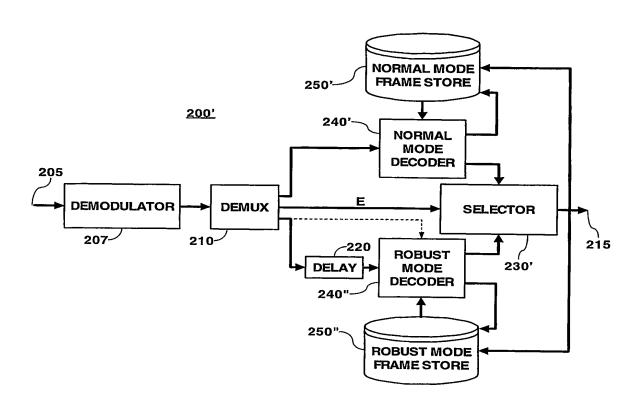
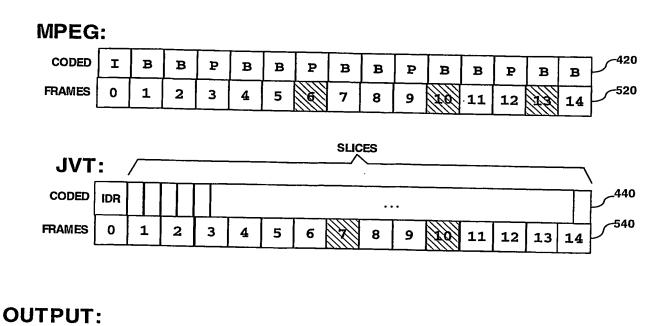


Fig. 6 Picture layer receiver



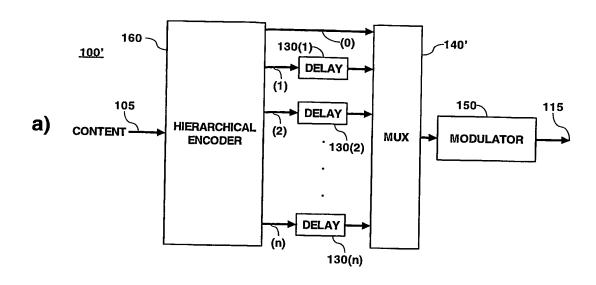
FRAMES	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	460 كرا
SOURCE	M	М	М	М	М	М	J	М	М	М	xx	м	М	J	м	560

Fig. 7 Picture layer streams



Number_of Robust_simulcast_channels For (i=0;i⊲number_of_robust_simulcast_channels;i Robust_Mode_PID	802	up to 256 channels supported	
Robust_Mode_PID			8 bit unit
	804	Identifies this channel in the TS	
Simulcast_data_type	806	0 = video	16 bit unit
		1 = audio	2 bit unit
		2 = data	l
If(Simulcast_data_type_=_0){	812		
Robust_Mode_video_compression_format		0 = ATSC MPEG2 MP@HL	6 bit unit
		1 = JVT MP@level	o bit unit
		all others reserved_for_future_use	
Robust_Mode_video_frame_rate		Frame rate in frames per second	7 bit unit
Robust_Mode_video_frame_interlaced		If O then progressive, else interlaced	1 bit unit
Robust_Mode_video_frame_horz		Horizontal frame resolution	16 bit unit
Robust_Mode_vjdeo_frame_vert		Vertical frame resolution	16 bit unit
Robust_Mode_video_frame_bitrate		Video elementary stream bit rate in bps	32 bit unit
Eise	814		OZ DICUIII
Robust_Mode_audio_compression_format		0 ATSC AC-3	6 bit unit
		1 MP3pro	o Dit unit
Dobust Made and Live		all others reserved	
Robust_Mode_audio_bitrate		Audio elementary bit rate in bps	24 bit unit
Robust_Mode_audio_sample_rate		Audio sample rate in Ksamples per sec	8 bit unit
Robust_Mode_audio_mode		0 5.1 channels	8 bit unit
		1 2 channel	
1		others	
Normal_mode_simulcast_PID			
	<u>808</u>	PID of the normal channel which this robust	16 bit unit
Robust_to_Normal_delay_offset		mode channel duplicates.	
······································	<u>810</u>	A 32 bit value in 90 KHZ clock cycles	32 bit unit
		indicating the delay from robust channel to	
Robust_Mode_High_Quality	816	the normal channel	-
	210	IF 0 THEN the receiver should use the normal channel if available ELSE the	1 bit unit
	j	broadcaster recommende the et."	
		broadcaster recommends use of the robust channel instead of the normal channel	
// end for loop robust channels		chambel instead of the normal channel	

Fig. 8 PSIP/VCT Table



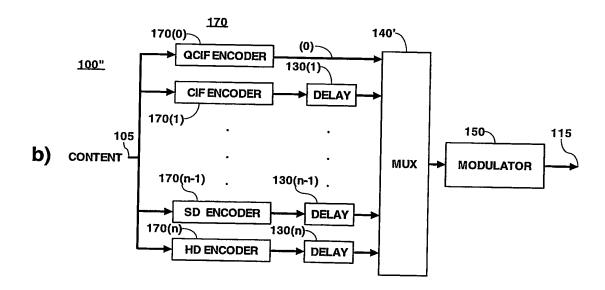
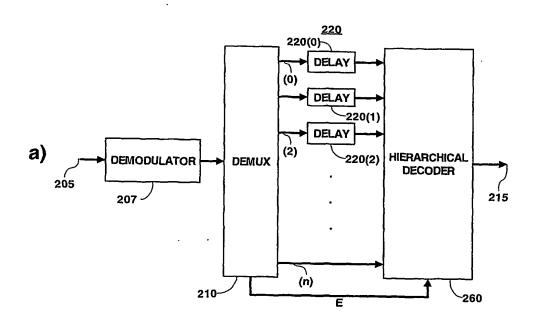
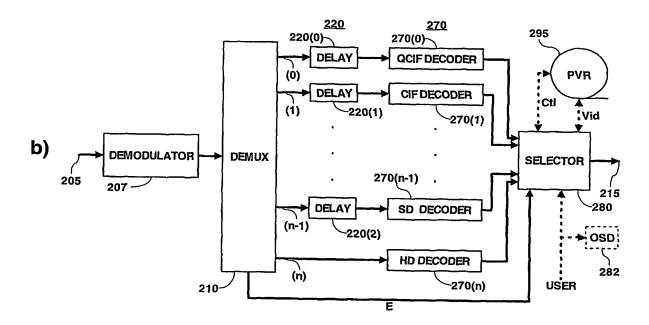


Fig. 9 Multiresolution transmitter





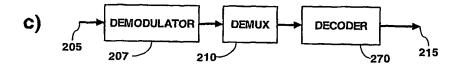


Fig. 10 Multiresolution receiver

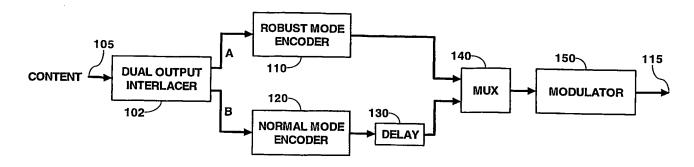


Fig. 11 Dual interlace transmitter

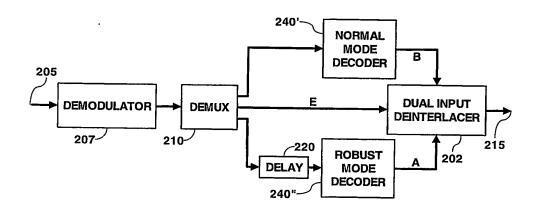


Fig. 12 Dual interlace receiver

